

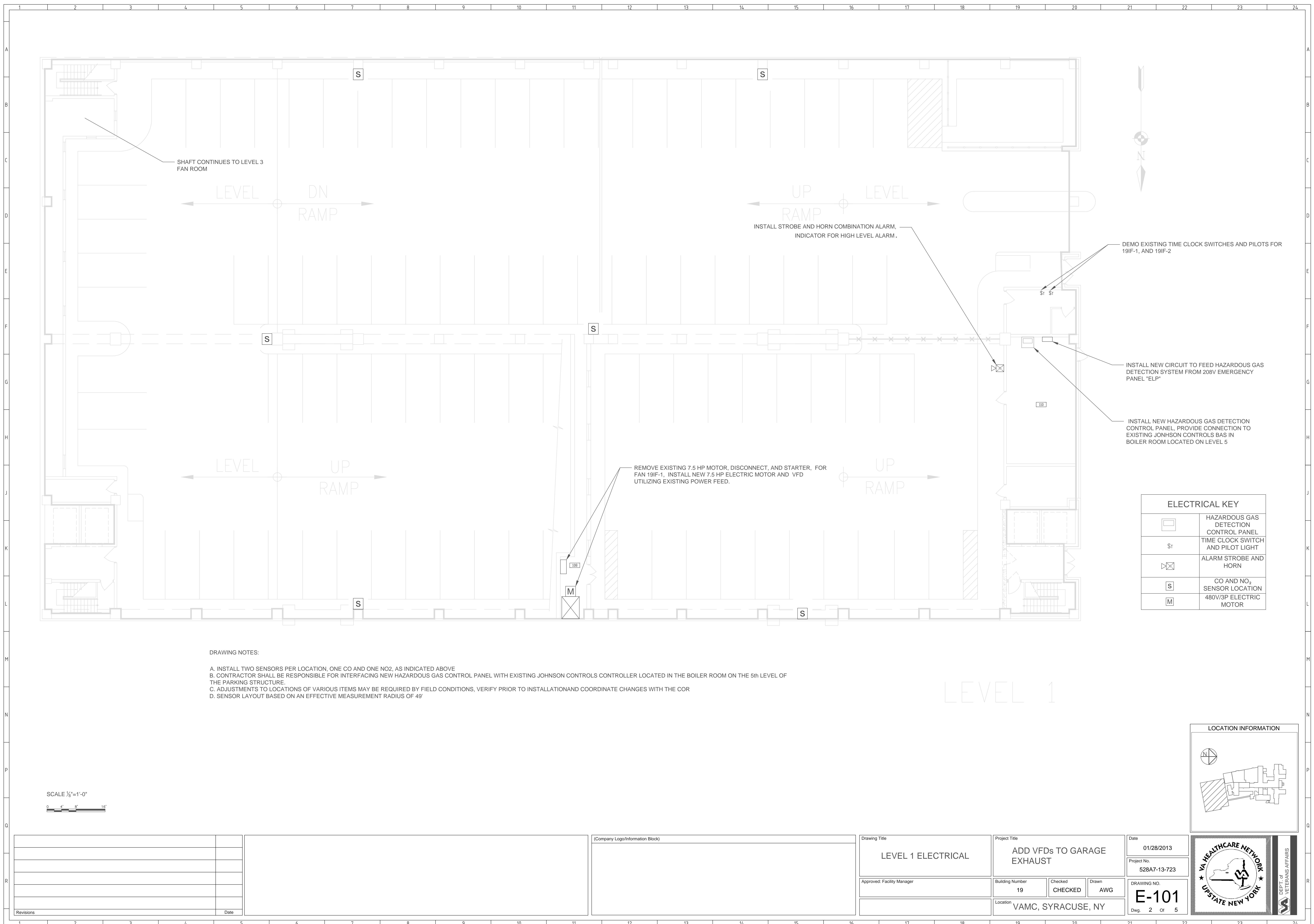
Scope of Work:

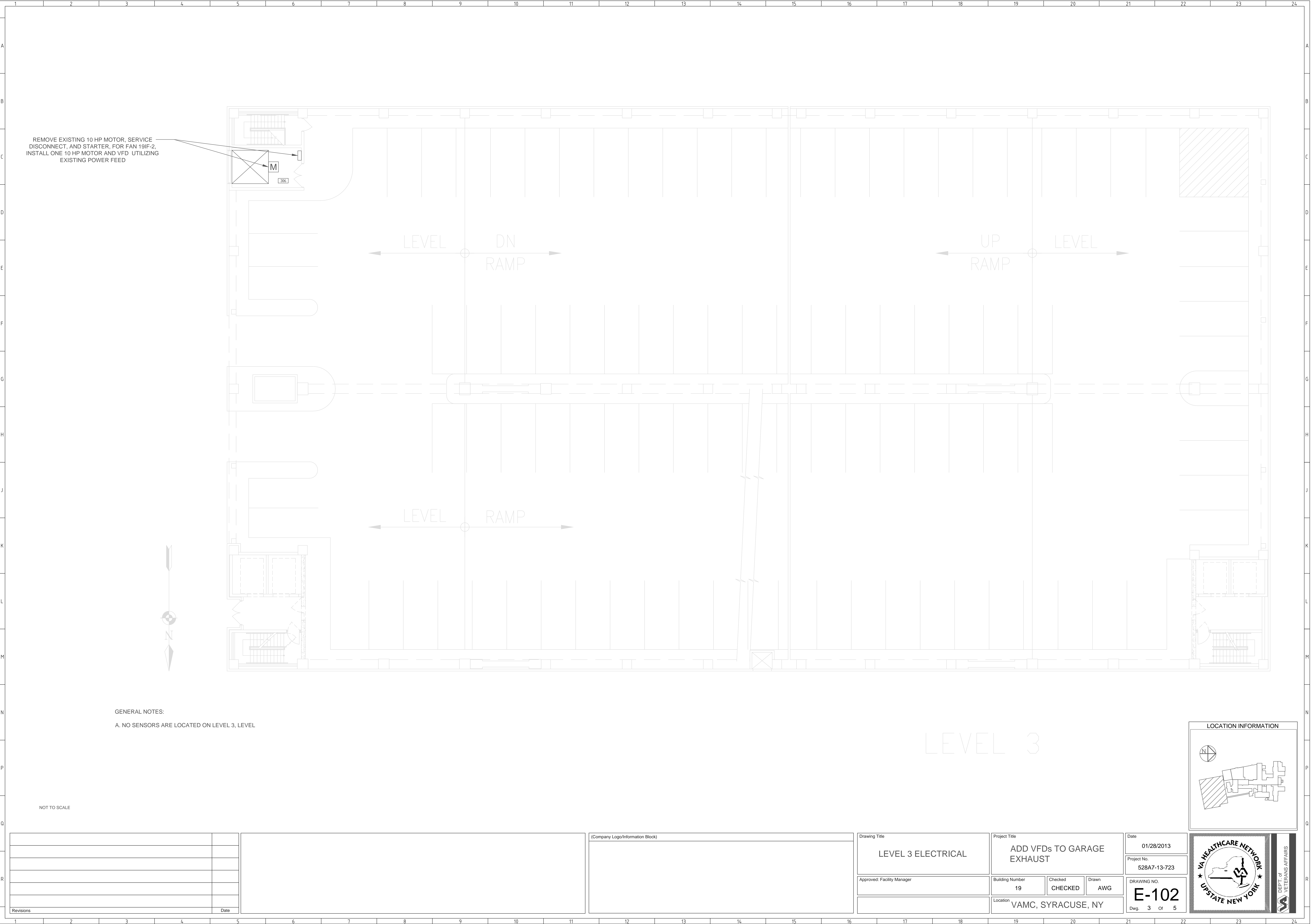
| INDEX        |                    |
|--------------|--------------------|
| SHEET NUMBER | CONTENT            |
| G-001        | COVER SHEET        |
| E-101        | LEVEL 1 ELECTRICAL |
| E-102        | LEVEL 3 ELECTRICAL |
| E-103        | LEVEL 5 ELECTRICAL |
| E-601        | EQUIPMENT SCHEDULE |

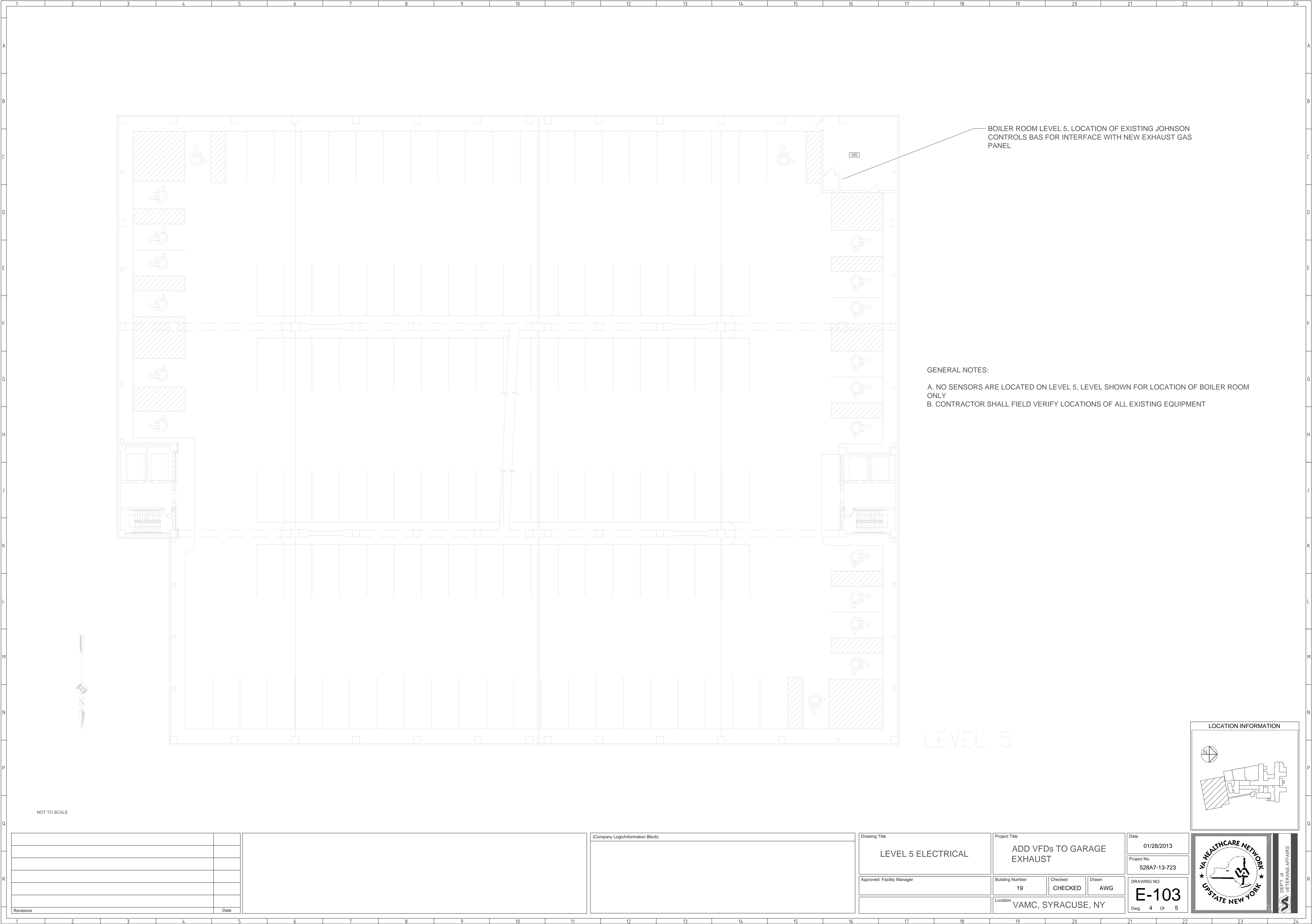
Drawing Notes:

- 1) Power for fan motors is live 24/7 and is backed by emergency generators, any shutdown of fan power must be arranged 48 hours in advance through the COR.
- 2) All installation work in parking garage is to be done after 5PM on weekdays, or on weekends.
- 3) Garage exhaust shutdowns shall be coordinated with the COR and are to occur only during unoccupied periods after 5pm weekdays, or on weekends.
- 4) Any anchors required for mounting to parking structure decking are not to exceed  $\frac{5}{8}$ " in depth into post tensioned slabs and girders.
- 5) Access to secure areas is to be coordinated with the COR.
- 6) All locations of equipment are to be verified by contractor, new locations are to be approved by the COR
- 7) Cost routes are omitted in drawings, contractor shall be responsible for all conductors and conduits necessary to network and power all equipment necessary for proper function of the system as per specifications and drawings
- 8) Contractor shall furnish all equipment listed for installation within drawings, and equipment shall meet the requirements of the specifications.
- 9) Fan idle speed shall be adjusted to maintain a minimum of .05 cm per sq. ft. of air movement over fan served area.

[illegible]







BOILER ROOM LEVEL 5, LOCATION OF EXISTING JOHNSON CONTROLS BAS FOR INTERFACE WITH NEW EXHAUST GAS PANEL

GENERAL NOTES:  
A. NO SENSORS ARE LOCATED ON LEVEL 5, LEVEL SHOWN FOR LOCATION OF BOILER ROOM ONLY  
B. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING EQUIPMENT

LEVEL 5

NOT TO SCALE

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| Revisions | Date |

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| Drawing Title              |
| LEVEL 5 ELECTRICAL         |
| Approved: Facility Manager |
|                            |

|                            |
|----------------------------|
| Project Title              |
| ADD VFDs TO GARAGE EXHAUST |
| Building Number            |
| 19                         |
| Location                   |
| VAMC, SYRACUSE, NY         |

|              |
|--------------|
| Date         |
| 01/28/2013   |
| Project No.  |
| 528A7-13-723 |
| Drawing No.  |
| E-103        |
| Dwg. 4 of 5  |

LOCATION INFORMATION

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |   |
| A |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | A |
| B |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | B |
| C |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | C |
| D |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | D |
| E |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | E |
| F |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | F |
| G |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | G |
| H |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | H |
| J |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | J |
| K |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | K |
| L |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | L |
| M |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | M |
| N |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | N |
| P |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | P |
| Q |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Q |
| R |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | R |

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| Revisions | Date |

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|----------------------------|--|----------------------------|--|-------------|--|
| Drawing Title              |  | Project Title              |  | Date        |  |
| EQUIPMENT SCHEDULE         |  | ADD VFDs TO GARAGE EXHAUST |  | 01/28/2013  |  |
| Approved: Facility Manager |  | Building Number            |  | Checked     |  |
|                            |  | 19                         |  | CHECKED     |  |
|                            |  | Location                   |  | Drawn       |  |
|                            |  | VAMC, SYRACUSE, NY         |  | AWG         |  |
|                            |  |                            |  | DRAWING NO. |  |
|                            |  |                            |  | E-601       |  |
|                            |  |                            |  | Dwg. 5 of 5 |  |

|                       |  |                           |  |
|-----------------------|--|---------------------------|--|
| VA HEALTHCARE NETWORK |  | DEPT. of VETERANS AFFAIRS |  |
| UPSTATE NEW YORK      |  | S                         |  |

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

| HAZARDOUS GAS SENSORS   |              |            |              |          |         |         |
|---|--------------|------------|--------------|----------|---------|---------|
| SENSOR, GAS   | RANGE        | RESOLUTION | TEMP. RANGE  | ALARM A  | ALARM B | ALARM C |
| CO  | 0 to 250 ppm | 1 ppm      | -4 to122° F  | 25 ppm   | 175 ppm | 225 ppm |
| NO <sub>2</sub>   | 0 to 10 ppm  | 0.1 ppm    | -4 to 122° F | 0.72 ppm | 2.0 ppm | 9 ppm   |
| ALARM LEVEL A INDICATES THE CONCENTRATION OF MEASURED GASSES AT WHICH THE FAN SPEED SHALL BEGIN TO INCREASE, BY ALARM LEVEL B FAN SPEED SHALL BE AT ITS MAXIMUM, ALARM LEVEL C SHALL ACTIVATE HIGH LEVEL STROBE AND HORN AND SEND AN ALARM TO THE BAS (JCI) |              |            |              |          |         |         |

| FAN MOTORS |                      |            |            |     |                                    |                 |       |         |
|------------|----------------------|------------|------------|-----|------------------------------------|-----------------|-------|---------|
| FAN NUMBER | LOCATION             | S.P. (in.) | DRIVE TYPE | HP  | TYPE                               | MAXIMUM FAN RPM | PHASE | VOLTAGE |
| 19IF-1     | FAN ROOM 108 STORAGE | 0.375      | BELT       | 7.5 | PREMIUM EFFICIENCY, INVERTER RATED | 1910            | 3     | 480     |
| 19IF-2     | FAN ROOM 306         | 0.375      | BELT       | 10  | PREMIUM EFFICIENCY, INVERTER RATED | 1272            | 3     | 480     |